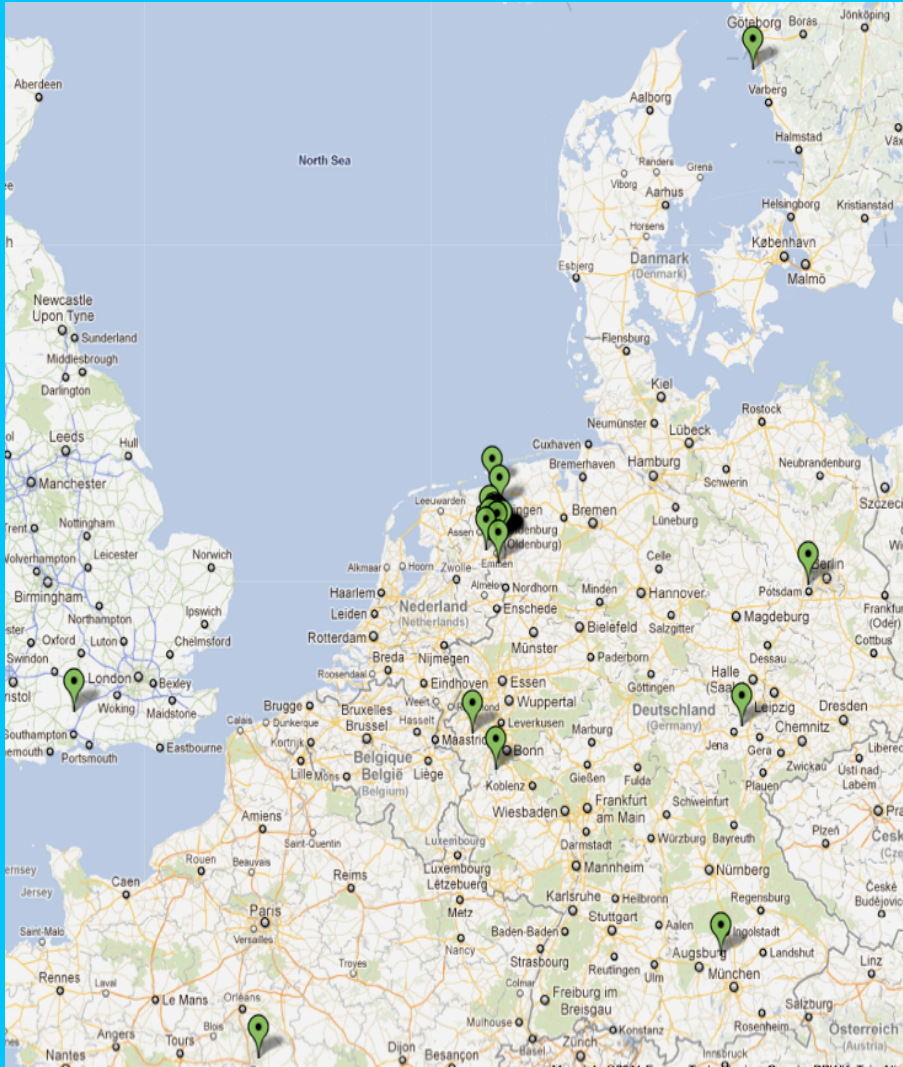


## Programme

- 1) Observatory update – Wilfred Frieswijk
- 2) Preliminary results from Imaging Busy Week – Emanuela Orru
- 3) Speeding up the processing – Bas van der Tol
- 4) Toolkit for LOFAR dynamic spectra – Nicolas Vilchez
- 5) LC0-019: recent NCP imaging results – Sarod Yatawatta

# Observatory Status



## Current Status:

37 operational NL stations

24 core + 13 remote

8 Intern. stations part of the array

Several **CS** new mode 5

**RS310**: mode 5 cal-table installed

**RS407**: mode 3 cal-table failed



**RS409**: mode 5 cal-table installed

**RS210**: Power connection in place.  
Fibers end of February. Operational in March.

**DE602**: AC speed controller broke; replaced


**DE603**: broken rubidium; replacement sent

**FR606**: AC broken; replacement underway

[www.astron.nl/radio-observatory/astronomers/current-status](http://www.astron.nl/radio-observatory/astronomers/current-status)

# News regarding the observing system



- System stability is good.  
Heavy observations, e.g., 8-bit full bandwidth and raw data may suffer from some data-drops ( $\sim\%$ ).
- Some TBB's broken 
- Oscillating tiles: new station-test allows for easier detection
- Ongoing tests with automated calibrator-target-imaging pipelines

# News regarding the observing system: Updates, issues, tests



- Focus: bug fixes
- XML generator for preparation of cycle 0 observations+pipelines
- Minor updates in MoM, Scheduler and SaS/MAC to improve functionality and stabilize the system

# News regarding the observing system: Tests, MSSS, pipelines



- Cycle 0 strategies for HBA and LBA and multi-beam observations including various steps of processing are continuously tested
- Continuation of the MSSS LBA survey
  - ✓ 2 new 6hr blocks
- VHECR stand-alone
- Validation and monitoring

## News regarding the observing system: Archive



- BF LTA ingest top-item for next development sprint
- Raw data ingest to LTA on request (LC0) is ongoing
- LC019 data transferred to Target cluster
- LC002 data transferred to Juelich
- Processed LC0 data transferred to CEP1 (e.g., imaging busy week)

# News regarding Cycle 0 observations



- Cycle 0 continuing at 30% efficiency
- Projects (including test observations):
  - ✓ LC0\_002, LC0\_003, LC0\_011, LC0\_015, LC0\_017, LC0\_019, LC0\_026, LC0\_032, LC0\_034
- Local use of Int-stations starting (officially) in February:
  - ✓ LC0\_010, LC0\_014, LC0\_044



## CEP news:

- CEP1 & 2 stable
  - ✓ updated MonetDB on LDB002 last Monday
- Next stopday: February 5th (Tuesday)

[http://www.lofar.org/wiki/doku.php?id=engineering:stopday\\_procedure](http://www.lofar.org/wiki/doku.php?id=engineering:stopday_procedure)



# CALENDAR of requested busy weeks and other LOFAR activities



- <http://www.astron.nl/radio-observatory/astronomers/commissioning/commissioning-plan>

24 Feb	Busy Thursday (multimedia room)
18-22 Mar	LOFAR Dalfsen 2
13-16 May	MKSP (13-15 workshop + 16-17 busy days)